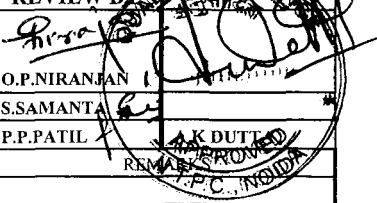


		ITEM: (MATERIAL, CLASS, GRADE, RATING, SIZE ETC.) PRESSURE AND DIFFERENTIAL PRESSURE SWITCH		STANDARD QUALITY PLAN CONFORMING TO CODE:				Q. P. NO.		REVIEW BY			
								0000-999-QOI-S-003					
								REV. : 01		O.P. NIRANJAN			
								DATE : 21.08.2008		S.SAMANTA			
								PAGE : 01 OF 01		P.P.PATIL			
						VALID UPTO 20.08.2011							
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	D*	**	C	N	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.0	Review of TC for Material for SENSOR, MOVEMENT and HOUSING	Chemical Composition	Major	Chemical	Sample	Sample	ADS/ PO Spec.	ADS/ PO Spec.	TC	√	P	V	V
2.0	Functional	a) Calibration (Repeatability)	Major	Testing	100%	10%	ADS/ PO Spec.	ADS/ PO Spec.	CC	√	P	W	W
		b) Differential set point	Major	Testing	100%	10%	ADS/ PO Spec.	ADS/ PO Spec.	CC		P	W	W
3.0	Dielectric withstand test with plug in connection	IR - HV- IR test	Major	Elect.	100%	10%	ADS/ PO Spec.	No failure/ Break down	TC	√	P	W	W
4.0	Operational Features	Set point/ Differential adjustment & Contact Configuration.	Major	Testing	100%	10%	ADS/ PO Spec.	ADS/ PO Spec.	TC			W	W
5.0	Tag No., Make, Range, Model	a) Visual	Major	Visual	100%	100%	ADS/ PO Spec.	ADS/ PO Spec.	TC	√	P	W	W
		b) Over pressure/ Leak test	Major	Elect.	100%	10%	Mfr. Specification	150% of designed pressure	COC	√	P	W	W
6.0	Dimension	a) Process connection, Cable entry	Major	Mesurement	100%	10%	ADS/ Drawing	ADS/ Drawing	COC		P	W	W
7.0	Micro Switch	a) TC for Contact Rating	Major	Elect.	Sample	Sample	Mfr. Standard.	Mfr. Standard.	TC/Mfr. Cat.	√	P	V	V
8.0	Accessories	Visual	"	Visual	100%	100%	ADS/ PO Spec.	ADS/ PO Spec.	LOG BOOK		P	W	V
NOTE 1 : Manufacturer to carry out Routine test on 100% basis. Manufacturer's internal test report shall be verified during final inspection. NTPC to witness on 10% samples selected at random.													
NOTE 2 : When material co-relation is not available, Manufacturer has to give compliance certificate.													
NOTE 3: Manufacturer to maintain calibrated instruments having accuracy better than the instrument under test. Inspection Engineer shall check the same.													
NOTE 4: In case of Imported Manufacturer, Main contractor shall review the Test Report and submit the same to NTPC for Acceptance of item/ Issuance of MDCC.													
LEGEND: * RECORDS IDENTIFIED WITH "TICK" SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER/ SUB-SUPPLIER, C: SUPPLIER/ NOMINATED INSPECTION AGENCY, N: NTPC, P: PERFORM, W: WITNESS AND V: VERIFICATION APPROPRIATE CHP: NTPC SHALL IDENTIFY IN COLUMN "N" AS "W"													
ADS - APPROVED DATA SHEET, SPEC. - NTPC SPECIFICATION, TC - TEST CERTIFICATE, COC - CERTIFICATE OF COMPLIANCE CC - CALIBRATION CERTIFICATE, PO Spec. - Purchase Order Specification. Mfr. Cat. - Manufacturer's Catalogues.													